

1    **ABSTRACT OF THE DISCLOSURE**

2            A composite board includes a first board having a first grain, a second  
3    board having a second grain, and a mediate board securely sandwiched between  
4    the first board and the second board. The mediate board has a grain  
5    perpendicular to the first grain and the second grain such that deformation of the  
6    composite board is avoided as interaction among the first grain, the second grain  
7    and the grain harmonizes expansion or contraction of the first board and the  
8    second board.